

Title (en)

PROCESS FOR PRODUCING A PISTON FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES KOLBENS FÜR EINEN VERBRENNUNGSMOTOR

Title (fr)

PROCÉDÉ DE FABRICATION D'UN PISTON POUR UN MOTEUR À COMBUSTION INTERNE

Publication

EP 2691629 B1 20160427 (DE)

Application

EP 12718093 A 20120327

Priority

- DE 102011006409 A 20110330
- EP 2012055403 W 20120327

Abstract (en)

[origin: WO2012130839A1] In a process for producing a piston for an internal combustion engine, a groove is worked into a cast piston blank proceeding from a combustion chamber cavity (20) in a largely radial direction and then closed to form a cooling duct. A cast piston for an internal combustion engine has a closure which is fitted after the casting and the machining between the cooling duct and a combustion chamber cavity (20).

IPC 8 full level

B23P 15/10 (2006.01); **F02F 3/16** (2006.01); **F02F 3/22** (2006.01); **F16J 9/22** (2006.01)

CPC (source: EP US)

B23P 15/10 (2013.01 - EP US); **F02F 3/16** (2013.01 - US); **F02F 3/22** (2013.01 - EP US); **F16J 9/22** (2013.01 - EP US);
F02F 2200/06 (2013.01 - EP US); **Y10T 29/49249** (2015.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102011006409 A1 20121004; DE 102011006409 B4 20130328; EP 2691629 A1 20140205; EP 2691629 B1 20160427;
ES 2579627 T3 20160812; HU E029072 T2 20170130; JP 2014510231 A 20140424; JP 6027604 B2 20161116; PL 2691629 T3 20160930;
US 2014190010 A1 20140710; US 9216480 B2 20151222; WO 2012130839 A1 20121004

DOCDB simple family (application)

DE 102011006409 A 20110330; EP 12718093 A 20120327; EP 2012055403 W 20120327; ES 12718093 T 20120327;
HU E12718093 A 20120327; JP 2014501577 A 20120327; PL 12718093 T 20120327; US 201214008652 A 20120327